

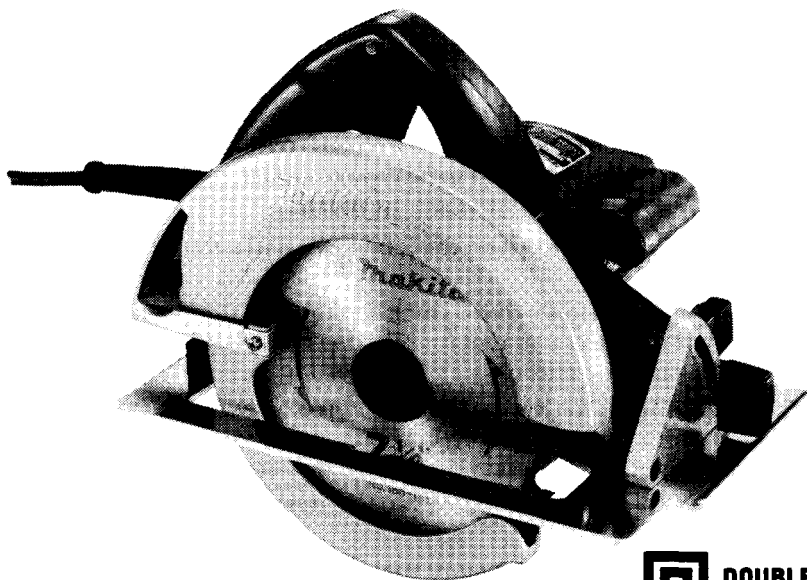
Makita

アメリカ

Circular Saw

185 mm (7-1/4") MODEL 5007NB

INSTRUCTION MANUAL



**DOUBLE
INSULATION**

Specifications

Blade diameter	Max. cutting depth		No load speed	Overall length	Net weight
	45°	90°			
185 mm (7-1/4")	46 mm (1-3/4")	60 mm (2-3/8")	5,800 R/min.	295 mm (11-5/8")	5 kg (11 lbs)

* Manufacturer reserves the right to change specifications of parts and accessories without notice.

* Note: Specifications of parts and accessories may differ from country to country.

IMPORTANT SAFETY INSTRUCTIONS

(For All Tools)

WARNING: WHEN USING ELECTRIC TOOLS, BASIC SAFETY PRECAUTIONS SHOULD ALWAYS BE FOLLOWED TO REDUCE THE RISK OF FIRE, ELECTRIC SHOCK, AND PERSONAL INJURY, INCLUDING THE FOLLOWING:

READ ALL INSTRUCTIONS.

1. **KEEP WORK AREA CLEAN.** Cluttered areas and benches invite injuries.
2. **CONSIDER WORK AREA ENVIRONMENT.** Don't use power tools in damp or wet locations. Keep work area well lit. Don't expose power tools to rain. Don't use tool in presence of flammable liquids or gases.
3. **KEEP CHILDREN AWAY.** All visitors should be kept away from work area. Don't let visitors contact tool or extension cord.
4. **STORE IDLE TOOLS.** When not in use, tools should be stored in dry, and high or locked-up place — out of reach of children.
5. **DON'T FORCE TOOL.** It will do the job better and safer at the rate for which it was intended.
6. **USE RIGHT TOOL.** Don't force small tool or attachment to do the job of a heavy-duty tool. Don't use tool for purpose not intended; for example, don't use circular saw for cutting tree limbs or logs.
7. **DRESS PROPERLY.** Don't wear loose clothing or jewelry. They can be caught in moving parts. Rubber gloves and non-skid footwear are recommended when working outdoors. Wear protective hair covering to contain long hair.
8. **USE SAFETY GLASSES.** Also use face or dust mask if cutting operation is dusty.
9. **DON'T ABUSE CORD.** Never carry tool by cord or yank it to disconnect from receptacle. Keep cord from heat, oil, and sharp edges.
10. **SECURE WORK.** Use clamps or a vise to hold work. It's safer than using your hand and it frees both hands to operate tool.
11. **DON'T OVERREACH.** Keep proper footing and balance at all times.
12. **MAINTAIN TOOLS WITH CARE.** Keep tools sharp and clean for better and safer performance. Follow instructions for lubricating and changing accessories. Inspect tool cords periodically and if damaged, have repaired by authorized service facility. Inspect extension cords periodically and replace if damaged. Keep handles dry, clean, and free from oil and grease.
13. **DISCONNECT TOOLS.** When not in use, before servicing, and when changing accessories, such as blades, bits, cutters.

14. **REMOVE ADJUSTING KEYS AND WRENCHES.** Form habit of checking to see that keys and adjusting wrenches are removed from tool before turning it on.
15. **AVOID UNINTENTIONAL STARTING.** Don't carry tool with finger on switch. Be sure switch is OFF when plugging in.
16. **EXTENSION CORDS.** Make sure your extension cord is in good condition. When using an extension cord, be sure to use one heavy enough to carry the current your product will draw. An undersized cord will cause a drop in line voltage resulting in loss of power and overheating. Table 1 shows the correct size to use depending on cord length and nameplate ampere rating. If in doubt, use the next heavier gage. The smaller the gage number, the heavier the cord.

TABLE 1 MINIMUM GAGE FOR CORD SETS

			Total Length of Cord in Feet			
			0 – 25	26 – 50	51 – 100	101 – 150
Ampere Rating More Than		Not More Than	A W G			
0	—	6	18	16	16	14
6	—	10	18	16	14	12
10	—	12	16	16	14	12
12	—	16	14	12	Not Recommended	

17. **OUTDOOR USE EXTENSION CORDS.** When tool is used outdoors, use only extension cords intended for use outdoors and so marked.
18. **STAY ALERT.** Watch what you are doing, use common sense. Don't operate tool when you are tired.
19. **CHECK DAMAGED PARTS.** Before further use of the tool, a guard or other part that is damaged should be carefully checked to determine that it will operate properly and perform its intended function. Check for alignment of moving parts, binding of moving parts, breakage of parts, mounting, and any other conditions that may affect its operation. A guard or other part that is damaged should be properly repaired or replaced by an authorized service center unless otherwise indicated elsewhere in this instruction manual. Have defective switches replaced by authorized service center. Don't use tool if switch does not turn it on and off.
20. **GUARD AGAINST ELECTRIC SHOCK.** Prevent body contact with grounded surfaces. For example; pipes, radiators, ranges, refrigerator enclosures.
21. **REPLACEMENT PARTS.** When servicing, use only identical replacement parts.
22. **POLARIZED PLUGS.** To reduce the risk of electric shock, this equipment has a polarized plug (one blade is wider than the other). This plug will fit in a polarized outlet only one way. If the plug does not fit fully in the outlet, reverse the plug. If it still does not fit, contact a qualified electrician to install the proper outlet. Do not change the plug in any way.

VOLTAGE WARNING: Before connecting the tool to a power source (receptacle, outlet, etc.) be sure the voltage supplied is the same as that specified on the nameplate of the tool. A power source with voltage greater than that specified for the tool can result in **SERIOUS INJURY** to the user — as well as damage to the tool. If in doubt, **DO NOT PLUG IN THE TOOL**. Using a power source with voltage less than the nameplate rating is harmful to the motor.

ADDITIONAL SAFETY RULES

1. Wear hearing protection.
2. Keep Guards In Place and In Working Order.
Never wedge or tie lower guard open. Check operation of lower guard before each use. Don't use if lower guard does not close briskly over saw blade.
CAUTION: If saw is dropped, lower guard may be bent, restricting full return.
3. Do not use blades which are deformed or cracked.
4. Do not use blades of high speed steel.
5. Keep Blades Clean and Sharp.
Sharp blades minimize stalling and kickback.
6. **DANGER:** Keep Hands Away From Cutting Area.
Keep hands away from blades. Don't reach underneath work while blade is rotating. Don't attempt to remove cut material when blade is moving.
CAUTION: Blades coast after turn off.
7. Support Large Panels.
Large panels must be supported as shown in Fig. 1 to minimize the risk of blade pinching and kickback.
When cutting operation requires the resting of the saw on the work piece, the saw shall be rested on the larger portion and the smaller piece cut off.

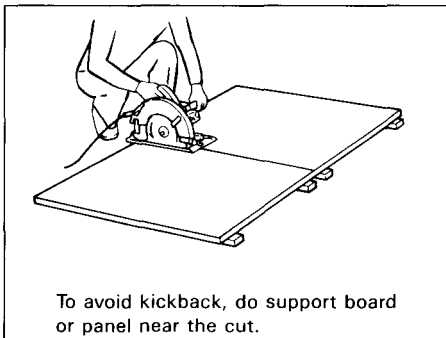


Fig. 1

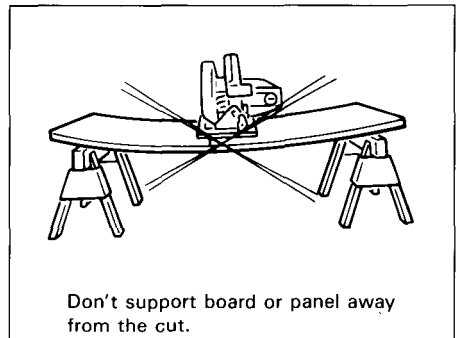


Fig. 2

8. Use Rip Fence.
Always use a fence or straight edge guide when ripping.

9. Guard Against Kickback.

Kickback occurs when the saw stalls rapidly and is driven back towards the operator. Release switch immediately if blade binds or saw stalls. Keep blades sharp. Support large panels as shown in Fig. 1. Use fence or straight edge guide when ripping. Don't force tool. Stay alert exercise control. Don't remove saw from work during a cut while the blade is moving.

NEVER place your hand or fingers behind the saw. If kickback occurs, the saw could easily jump backwards over your hand, possibly causing severe injury.

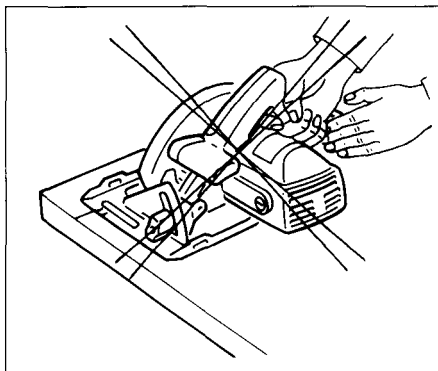


Fig. 3

10. Lower Guard. Raise lower guard with the retracting handle.

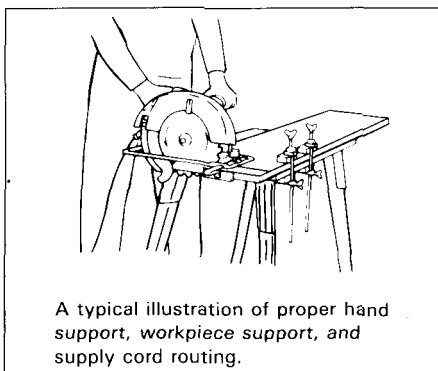
11. Adjustments. Before cutting be sure depth and bevel adjustments are tight.

12. Use Only Correct Blades In Mounting. Don't use blades with incorrect size holes. Never use defective or incorrect blade washers or bolts.

13. Avoid Cutting Nails. Inspect for and remove all nails from lumber before cutting.

14. When operating the saw, keep the cord away from the cutting area and position it so that it will not be caught on the workpiece during the cutting operation.

Operate with proper hand support, proper workpiece support, and supply cord routing away from the work area.



A typical illustration of proper hand support, workpiece support, and supply cord routing.

Fig. 4

WARNING:

It is important to support the workpiece properly and to hold the saw firmly to prevent loss of control which could cause personal injury. Fig. 4 illustrates typical hand support of the saw.

15. Place the wider portion of the saw base on that part of the workpiece which is solidly supported, not on the section that will fall off when the cut is made. As examples, Fig. 5 illustrates the **RIGHT** way to cut off the end of a board, and Fig. 6 the **WRONG** way. If the workpiece is short or small, clamp it down. **DON'T TRY TO HOLD SHORT PIECES BY HAND!**

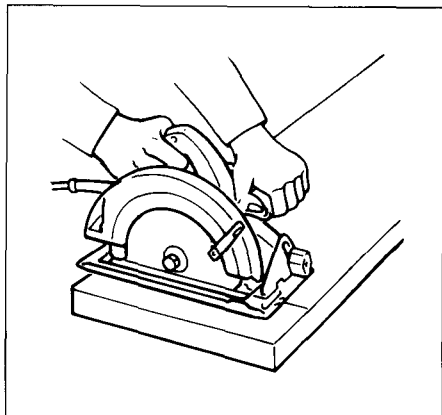


Fig. 5

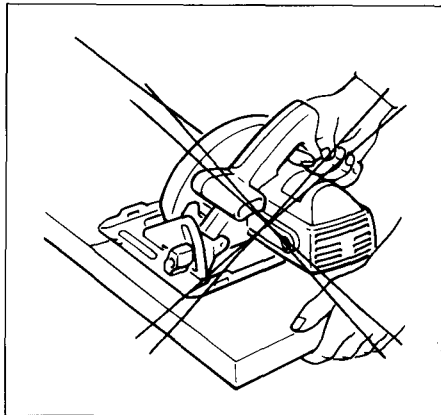


Fig. 6

16. Never attempt to saw with the circular saw held upside down in a vise. This is extremely dangerous and can lead to serious accidents.

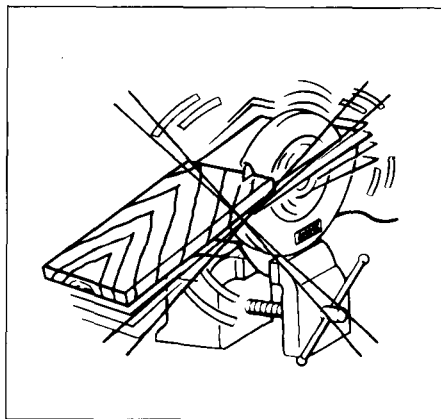


Fig. 7

17. Before setting the tool down after completing a cut, be sure that the lower (telescoping) guard has closed and the blade has come to a complete stop.

SAVE THESE INSTRUCTIONS.

How to use

• Switch action

To start the tool, simply pull the trigger.
Release the trigger to stop.

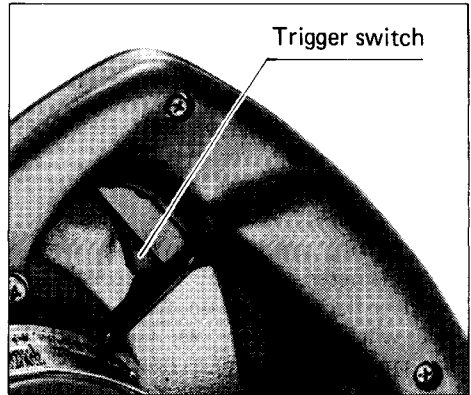


Fig. 4

CAUTION: First, unplug the tool from the power source.

• Blade removal

Do not replace with saw blade bigger than 7-1/4".

Press in the shaft lock to keep the shaft stationary and grip the hex bolt with the standard-equipped wrench. Turn to the left to release.

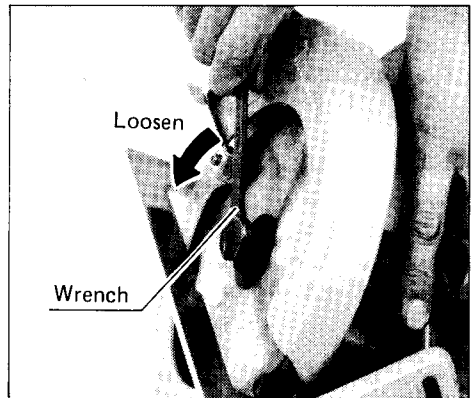


Fig. 5

Then take off the outer flange. Raise the safety guard as far as possible and slip the saw blade off the shaft.

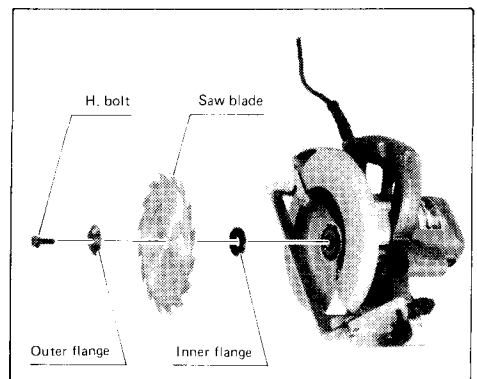


Fig. 6

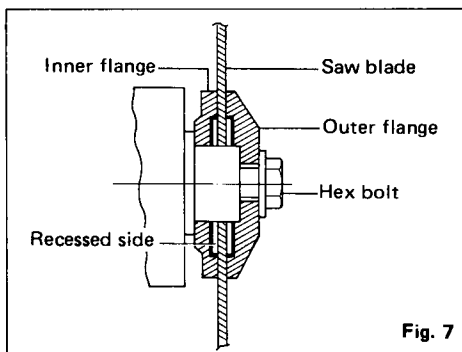
● Blade installation

Blade installation is performed by reversing the blade removal procedure.

- a. Install inner flange on shaft.
- b. Install blade.
- c. Put on outer flange.
- d. Install hex bolt.

This circular saw uses a saw blade with a hole diameter of 5/8". The recessed side of inner flange is kept on the blade motor side when mounting (see figure). Raise the safety guard as far as possible (i.e., as when removing the blade), then mount the blade on the shaft with the Makita name side facing you.

Secure the hex bolt tightly, or the blade will slip and not turn.



CAUTIONS:

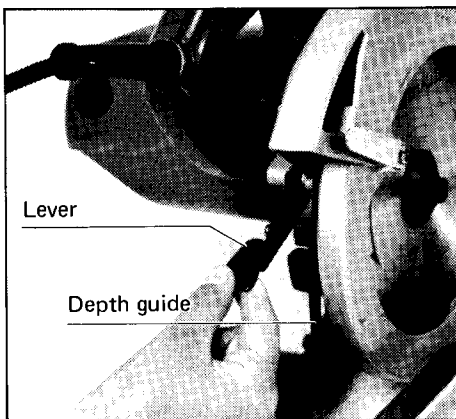
Use only the Makita standard-equipped wrench to install or remove the saw blade. The use of other tools may cause dangerous looseness or tightness.

● Adjusting cutting depth

To adjust the cutting depth, loosen the clamp lever on the depth guide then holding down the base with one hand raise or lower the body for the desired depth.

CAUTIONS:

Use a shallow cutting depth when cutting thin stock for cleaner, safer cuts. After making the cutting depth adjustment, always secure the clamp lever.



- **For the cutting position**

Use the right notch of the front base for straight cuts. The left notch is for bevel cuts.

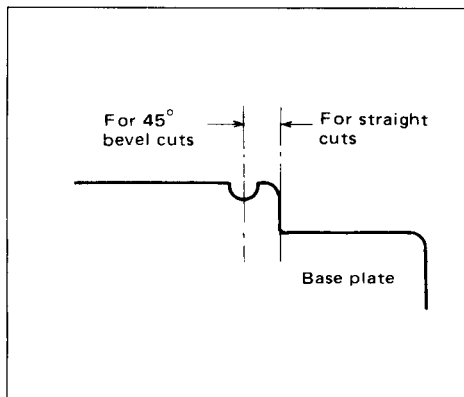


Fig. 9

Align the slot (saw position) on front edge of base with your own cutting line on the wood.

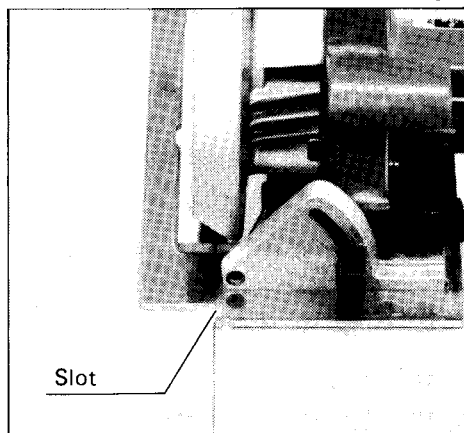


Fig. 10

- **For bevel work**

Loosen the nut M6 on the bevel scale plate on base front. Set for desired angle (0 – 45°) by tilting accordingly, then re-tighten the nut M6 firmly.

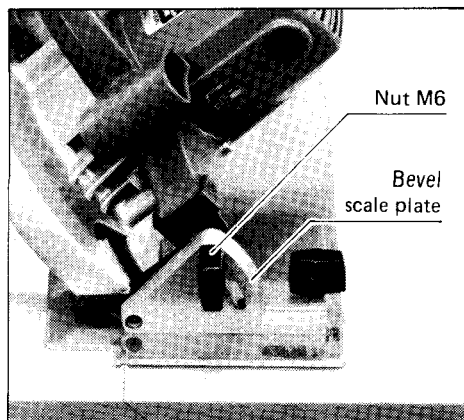


Fig. 11

Maintenance

• Replacing carbon brushes

Replace carbon brushes when they wear down to about 6 mm (1/4") of sparking will occur. Both brushes should be changed at the same time.

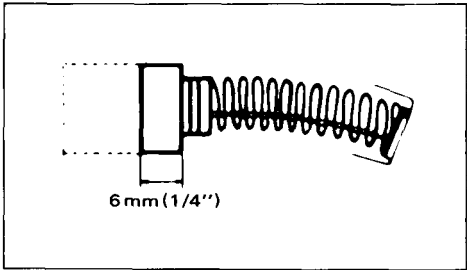


Fig. 12

ACCESSORIES

CAUTION:

The accessories specified in this manual are recommended for use with your Makita Circular Saw. The use of any other accessory might be hazardous.

• Guide rule

(Part No. 164095-8)



• Wrench (13)

(Part No. 781203-2)



SAW BLADE

Chisel tooth combination saw blade

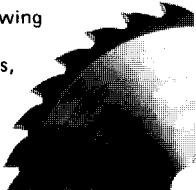
For rip and cross-cut work.
Most frequently used for
general carpentry.



NO.	Diameter	Hole diameter	No. teeth	Part No.
185-7B	7-1/4" (185 mm)	5/8" (15.88 mm)	20	721245-4

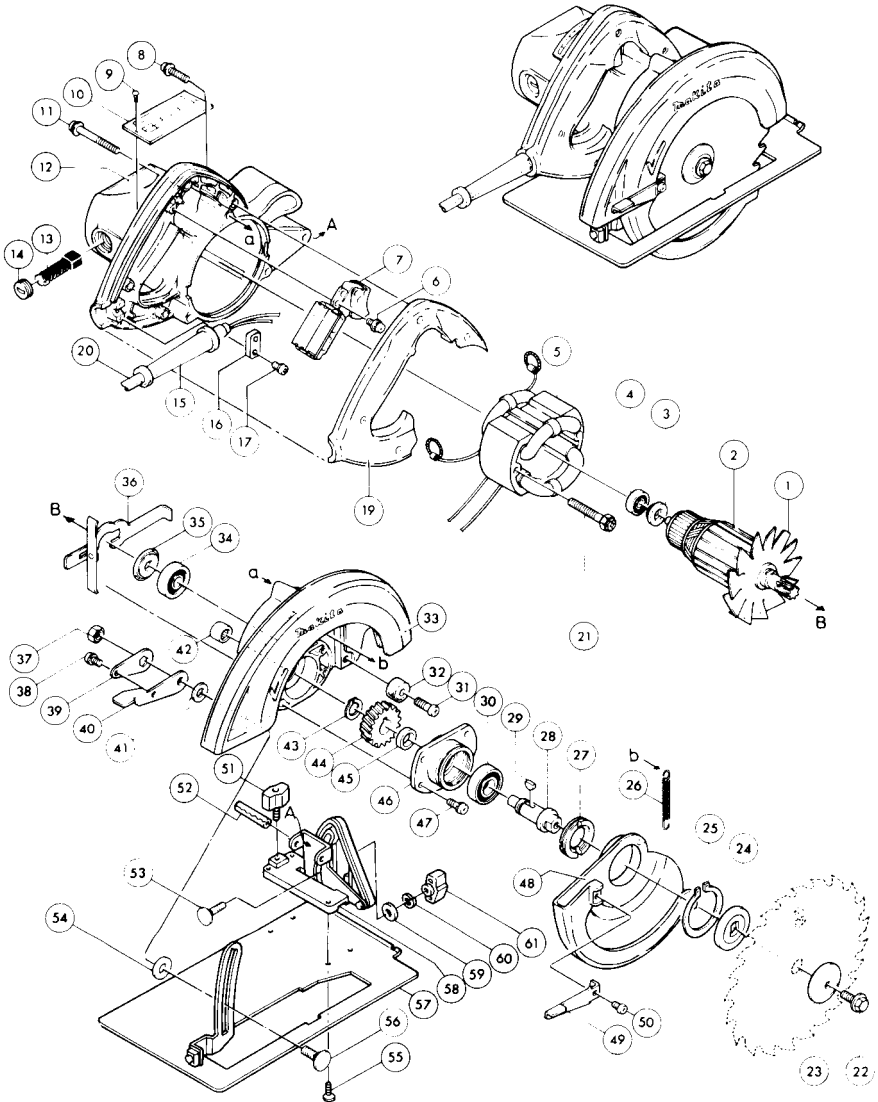
Carbide-tipped saw blade

Faster, smoother, longer sawing
without blade sharpening.
Cuts wood, drywall, plastics,
hard wood, etc.



NO.	Diameter	Hole diameter	No. teeth	Part No.
185-11B	7-1/4" (185 mm)	5/8" (15.88 mm)	16	721252-7

185 mm (7-1/4") **CIRCULAR SAW** **Model 5007NB**



Note: The switch and other part configurations may differ from country to country.

ITEM NO.	NO. USED	DESCRIPTION	ITEM NO.	NO. USED	DESCRIPTION
MACHINE			MACHINE		
1	1	Fan 92	31	1	P. H. Screw M6x20
2	1	ARMATURE ASSEMBLY	32	1	Rubber Sleeve 6
		(Assembled Items 1 — 4, 34 & 35)	33	1	Blade Case
3	1	Insulation Washer	34	1	Ball Bearing 6201LLB
4	1	Ball Bearing 608LB	35	1	Dust Seal 12
5	1	FIELD ASSEMBLY	36	1	Spindle Lock
6	1	P. H. Screw M4x12 (With Washer)	37	1	H. Nut M8
7	1	Double Pole Switch	38	1	P. H. Screw M4x8 (With Washer)
8	4	P. H. Screw M4x25 (With Washer)	39	1	Lock Plate
9	2	Rivet 0—5	40	1	Lever Plate
10	1	Name Plate	41	1	F. Washer 8
11	3	P. H. Screw M5x50 (With Washer)	42	1	Needle Bearing 1010
12	1	Motor Housing	43	1	Retaining Ring S—15
13	2	Carbon Brush	44	1	Helical Gear 39
14	2	Brush Holder Cap	45	1	Ring 15
15	1	Cord Guard	46	1	Bearing Box
16	1	Strain Relief	47	4	P. H. Screw M4x16 (With Washer)
17	2	P. H. Screw M4x18 (With Washer)	48	1	Safety Cover
19	1	Handle Cover	49	1	Lever
20	1	CORD ASSEMBLY	50	1	P. H. Screw M4x10 (With Washer)
		(Assembled Cord, Plug & Item 15)	51	1	Screw M6x15
21	2	H. Bolt M5x55 (With Washer)	52	1	Spring Pin 6—40
22	1	H. F. H. Bolt M8x20	53	1	C. S. N. Bolt M6x30
23	1	Outer Flange 40	54	1	F. Washer 12
24	1	Inner Flange 40	55	1	C. H. Screw M5x10
25	1	Retaining Ring S—42	56	1	C. S. N. Bolt M8x24
26	1	Tension Spring 4	57	1	Base
27	1	Bearing Retainer 22—36	58	1	Angular Plate
28	1	Spindle	59	1	F. Washer 6
29	1	Woodruff Key 5	60	1	S. Washer 6
30	1	Ball Bearing 6202LLB	61	1	Nut M6

Note: The switch and other part specifications may differ from country to country.

MAKITA LIMITED ONE YEAR WARRANTY

Warranty Policy

Every Makita tool is thoroughly inspected and tested before leaving the factory. It is warranted to be free of defects from workmanship and materials for the period of ONE YEAR from the date of original purchase. Should any trouble develop during this one-year period, return the COMPLETE tool, freight prepaid, to one of Makita's Factory or Authorized Service Centers. If inspection shows the trouble is caused by defective workmanship or material, Makita will repair (or at our option, replace) without charge.

This Warranty does not apply where:

- repairs have been made or attempted by others;
- repairs are required because of normal wear and tear;
- The tool has been abused, misused or improperly maintained;
- alterations have been made to the tool.

IN NO EVENT SHALL MAKITA BE LIABLE FOR ANY INDIRECT, INCIDENTAL OR CONSEQUENTIAL DAMAGES FROM THE SALE OR USE OF THE PRODUCT. THIS DISCLAIMER APPLIES BOTH DURING AND AFTER THE TERM OF THIS WARRANTY.

MAKITA DISCLAIMS LIABILITY FOR ANY IMPLIED WARRANTIES, INCLUDING IMPLIED WARRANTIES OF "MERCHANTABILITY" AND "FITNESS FOR A SPECIFIC PURPOSE," AFTER THE ONE-YEAR TERM OF THIS WARRANTY.

This Warranty gives you specific legal rights, and you may also have other rights which vary from state to state. Some states do not allow the exclusion or limitation of incidental or consequential damages, so the above limitation or exclusion may not apply to you. Some states do not allow limitation on how long an implied warranty lasts, so the above limitation may not apply to you.

Makita Corporation

3-11-8, Sumiyoshi-cho,
Anjo, Aichi 446 Japan

883333A993

PRINTED IN JAPAN
1995 — 4 — N